## SEQUENCE LISTING

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(1) GENERAL INFORMATION:
         (i) APPLICANT: Drucker, Daniel J.
        (ii) TITLE OF INVENTION: GLUCAGON-LIKE PEPTIDE-2 AND ITS
 5
                 THERAPEUTIC USE
       (iii) NUMBER OF SEQUENCES: 3
        (iv) CORRESPONDENCE ADDRESS:
               (A) ADDRESSEE: Pennie & Edmonds
               (B) STREET: 1155 Avenue of the Americas
               (C) CITY: New York
               (D) STATE: N.Y.
(E) COUNTRY: U.S.A.
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               (F) ZIP: 10036-2711
         (v) COMPUTER READABLE FORM:
               (A) MEDIUM TYPE: Floppy disk
               (B) COMPUTER: IBM PC compatible (C) OPERATING SYSTEM: PC-DOS/MS-DOS
               (D) SOFTWARE: PatentIn Release #1.0, Version #1.25
15
        (vi) CURRENT APPLICATION DATA:
               (A) APPLICATION NUMBER: US
               (B) FILING DATE:
               (C) CLASSIFICATION:
        (ix) TELECOMMUNICATION INFORMATION:
               (A) TELEPHONE: (202) 638-5000
(B) TELEFAX: (202) 638-4810
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    (2) INFORMATION FOR SEQ ID NO:1:
         (i) SEQUENCE CHARACTERISTICS:
               (A) LENGTH: 34 amino acids
               (B) TYPE: amino acid
               (C) STRANDEDNESS: single
               (D) TOPOLOGY: linear
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        (ii) MOLECULE TYPE: peptide
        (ix) FEATURE:
               (A) NAME/KEY: Modified-site
               (B) LOCATION: 13
               (D) OTHER INFORMATION: /note= "A
                      NEUTRAL/POLAR/LARGE/NONAROMATIC AMINO ACID"
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        (ix) FEATURE:
               (A) NAME/KEY: Modified-site
               (B) LOCATION: 16
               (D) OTHER INFORMATION: /note= "A NEUTRAL/POLAR AMINO ACID"
        (ix) FEATURE:
               (A) NAME/KEY: Modified-site
               (B) LOCATION: 19
               (D) OTHER INFORMATION: /note= "A NEUTRAL AMINO ACID"
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(ix) FEATURE: (A) NAME/KEY: Modified-site
(B) LOCATION: 20 (D) OTHER INFORMATION: /note= "A NEUTRAL AMINO ACID" (ix) FEATURE: (A) NAME/KEY: Modified-site (B) LOCATION: 27 (D) OTHER INFORMATION: /note= "A NEUTRAL/POLAR/LARGE/NONAROMATIC AMINO ACID" (ix) FEATURE: (A) NAME/KEY: Modified-site(B) LOCATION: 28 (D) OTHER INFORMATION: /note= "A NEUTRAL OR BASIC AMINO ACID" 10 (ix) FEATURE: (A) NAME/KEY: Modified-site (B) LOCATION: 34 (D) OTHER INFORMATION: /note= "AN AMINO ACID SELECTED FROM ARG, LYS OR AN ARG-LYS CHAIN" (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1: His Ala Asp Gly Ser Phe Ser Asp Glu Met Asn Thr Xaa Leu Asp Xaa Leu Ala Xaa Xaa Asp Phe Ile Asn Trp Leu Xaa Xaa Thr Lys Ile Thr Asp Xaa (2) INFORMATION FOR SEQ ID NO:2: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 34 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: peptide (ix) FEATURE: (A) NAME/KEY: Modified-site (B) LOCATION: 19 (D) OTHER INFORMATION: /note= "A NEUTRAL AMINO ACID" (ix) FEATURE: (A) NAME/KEY: Modified-site (B) LOCATION: 34 (D) OTHER INFORMATION: /note= "AN AMINO ACID SELECTED FROM

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

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His Ala Asp Gly Ser Phe Ser Asp Glu Met Asn Thr Ile Leu Asp Asn 35

ARG, LYS OR THE CHAIN ARG-LYS"

Leu Ala Xaa Arg Asp Phe Ile Asn Trp Leu Ile Gln Thr Lys Ile Thr 25 30

Asp Xaa

(2) IN	FORMATION	FOR	SEQ	ID	NO:3:
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- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 33 amino acids
    (B) TYPE: amino acid
    (C) STRANDEDNESS: single
    (D) TOPOLOGY: linear

## (ii) MOLECULE TYPE: peptide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:3: 10

His Ala Asp Gly Ser Phe Ser Asp Glu Met Asn Thr Ile Leu Asp Asn

Leu Ala Thr Arg Asp Phe Ile Asn Trp Leu Ile Gln Thr Lys Ile Thr

Asp

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